

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020838**Date Inspected:** 23-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai China**CWI Name:** Mr. An Qing Xing**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Trial assembly**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Raghavendra Reddy was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

This QA Inspector observed the following work in progress:

**SEGMENT # 9W:**

Shielded Metal Arc Welding (SMAW) welding of weld joint DP672-001-019/DP685-001-20(9BW+9CW, I Rib). Welder is identified as 066261/066326. ZPMC Quality Control (QC) is identified as Mr. Wang Zhu. The welding variables appeared to comply with the Applicable WPS-B-T-3213-B-U3b.

SMAW welding of welds joint SP106-001-057(9BW+9CW, T Rib-T Rib), Welder is identified as 045196. ZPMC Quality Control (QC) is identified as Mr. Wang Zhu. The welding variables appeared to comply with the Applicable WPS: WPS-B-P-2214-B-U2-FCM-1.

SMAW welding of welds joint OBW9-002(9AW+9BW, DP-DP), And Welding Repair Report (WR) B-WR-13942, Welder is identified as 068764. ZPMC Quality Control (QC) is identified as Mr. Zhu Zang Hai. The welding variables appeared to comply with the Applicable WPS: WPS-345-SMAW-4G (4F)-FCM-REPAIR-1.

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# WELDING INSPECTION REPORT

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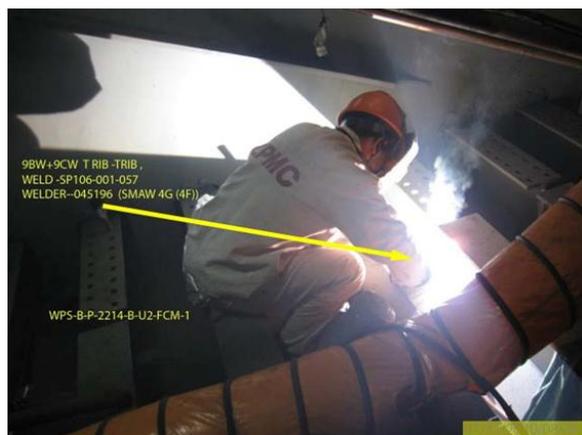
SMAW welding of welds joint OBW9-005(9AW+9BW, EP-EP), Welder is identified as 067571. ZPMC Quality Control (QC) is identified As a Mr. Zhu Zang Hai. The welding variables appeared to comply with the Applicable WPS: WPS-B-P-2214-B-U2-FCM-1

Flux Cored Arc Welding (FCAW) welding of Buildup for welds Joint BP152-001-30, Welder is identified as 045143, ZPMC Quality Control (QC) is identified as Mr. Zhu Zang Hai. The welding variables appeared to comply with the Applicable WPS-B-T-2233-B-U2-F.  
SEGMENT#9E

Flux Cored Arc Welding (FCAW) welding of welds joint BK001-039-005/007 Welder is identified as 053742, ZPMC Quality Control (QC) is identified as Mr. Li Yang. The welding variables appeared to comply with the Applicable WPS-B-T-2233-TC-U4C-F.

FCAW welding of welds joint BK001-038-005/007 Welder is identified as 053742, ZPMC Quality Control (QC) is identified as Mr. Li Yang. The welding variables appeared to comply with the Applicable WPS-B-T-2233-TC-U4C-F

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.



### Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Michael Ng (15921845703), who represents the Office of Structural Materials for your project.

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**Inspected By:** Tharikoppada,Reddy

Quality Assurance Inspector

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**Reviewed By:** Miller,Mark

QA Reviewer